Comparisons of Job Characteristics

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.2	13.0	0	Current knowledge level may be sufficient
Law and Government	5.9	8.0	8.4	0	Current knowledge level may be sufficient
Production and Processing	6.0	7.9	8.6	0	Current knowledge level may be sufficient
Transportation	4.6	7.4	7.2	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	6.1	4.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	11.4	9.8	<	A higher skill level may be required
Coordination	9.1	10.6	7.9	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.0	9.6	0	Current skill level may be sufficient
Equipment Maintenance	3.5	7.3	7.9	0	Current skill level may be sufficient
Repairing	3.4	6.9	8.3	>	Skill level is likely sufficient
Troubleshooting	4.5	6.9	7.7	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	15.9	12.2	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	13.7	10.3	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	13.3	8.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	13.3	10.6	<	Some improvement in abilities may be required
Static Strength	5.0	13.2	7.5	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.6	10.5	<	Some improvement in abilities may be required
Depth Perception	5.3	11.4	10.5	0	Current ability level may be sufficient
Dynamic Strength	3.5	9.7	6.4	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	9.0	4.6	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	8.8	6.4	<<	Extensive improvement in abilities may be required
Night Vision	2.1	7.3	5.5	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	6.5	3.2	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Work Activities	Exclusivity of Activity
Operate mining equipment or machinery	89
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Loading Machine Operators, Underground Mining (53-7033)
Associated Occupation: Roof Bolters, Mining (47-5061)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.